

Attorney Docket No. P13314-US2

LISTING OF THE CLAIMS

The listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims

1. (Original) A method for optimal routing of a call in a Base Station System, comprising the steps of:

sending a message to said Base Station System, said message including information associated with a plurality of ports in an IP network;

ordering a first base transceiver station to send at least a first packet associated with said call to a second base transceiver station via at least a first port of said plurality of ports in said IP network; and

ordering said second base transceiver station to send at least a second packet associated with said call to said first base transceiver station via at least a second port of said plurality of ports in said IP network.

2. (Original) The method of claim 1, further comprising the step of: suspending a transfer of packets associated with said call from a gateway to said first base transceiver station and said second base transceiver station.

3. (Original) The method of claim 1, wherein said message comprises a Join CIC message.

4. (Original) The method of claim 1, wherein said message includes at least Circuit Identity Code information or Signalling Connection Information.

5. (Original) The method of claim 1, wherein the steps are performed for a handover procedure for at least said first base transceiver station or said second base transceiver station.

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6. (Original) A method for optimal routing of a call in a Base Station System, comprising the steps of:

sending a message to said Base Station System, said message including restoration information associated with a plurality of ports in an IP network; and

restoring a transfer of packets associated with said call from a gateway to a first base transceiver station and a second base transceiver station via at least a first port and second port of said plurality of ports in said IP network.

7. (Original) The method of claim 6, wherein said restoration information comprises Restore CIC information.

8. (Original) A system for optimal routing of a call in a Base Station System, comprising:

an IP network including a plurality of ports;

a gateway coupled to said IP network via at least one port of said plurality of ports;

a mobile switching center coupled to said gateway;

a radio network server;

a first base transceiver station coupled to said radio network server, and to said IP network at a first port of said plurality of ports;

a second base transceiver station coupled to said radio network server, and to said IP network at a second port of said plurality of ports, said mobile switching center operable to:

send a message to said Base Station System, said message including information associated with at least one port of said plurality of ports in said IP network;

said radio network server operable to:

order said first base transceiver station to send at least a first packet associated with said call to said second base transceiver station via at least a first port of said plurality of ports in said IP network; and

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order said second base transceiver station to send at least a second packet associated with said call to said first base transceiver station via at least a second port of said plurality of ports in said IP network.

9. (Original) The system of claim 8, wherein said radio network server is further operable to: suspend a transfer of packets associated with said call from a gateway to said first base transceiver station and said second base transceiver station.

10. (Original) The system of claim 8, wherein said message comprises a Join CIC message.

11. (Original) The system of claim 8, wherein said message includes at least Circuit Identity Code information or Signalling Connection information.

12. (Original) The system of claim 8, wherein at least one of said first base transceiver station or said second base transceiver station performs a handover procedure.

13. (Original) A system for optimal routing of a call in a Base Station System, comprising:

- an IP network including a plurality of ports;
- a gateway coupled to said IP network;
- a mobile switching center coupled to said gateway; a radio network server;
- a first base transceiver station coupled to said radio network server, and to said IP network at a first port of said plurality of ports;

- a second base transceiver station coupled to said radio network server, and to said IP network at a second port of said plurality of ports, said mobile switching center operable to:

- send a message to said Base Station System, said message including restoration information associated with at least one port of said plurality of ports in said IP network;

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said radio network server operable to:
restore a transfer of packets associated with said call from said gateway to said first base transceiver station and said second base transceiver station.

14. (Original) The system of claim 13, wherein said restoration information comprises Restore CIC information.